

## CLAIMS

1. A frequency translation transceiver characterized by comprising: a memory unit for storing and setting a plurality of frequencies and its own identification number; a receiver circuit for performing a scanning operation of said plurality of frequencies in its receiving mode to obtain an incoming signal; a detection circuit for extracting data of an identification number of said incoming signal having been received by said receiver circuit; and, a transmitter circuit for transmitting data of said own identification number together with an audio signal.

2. The frequency translation transceiver as set forth in claim 1, wherein: said scanning operation of said plurality of frequencies stored in said memory unit is stopped when a sender depresses a PTT switch; a carrier is detected by receiving one of said plurality of frequency immediately after the end of said scanning operation; said data of said identification number is transmitted when said carrier is not detected; and, then said audio signal is transmitted.

3. The frequency translation transceiver as set forth in claim 1 or 2, wherein: said scanning operation of said plurality of frequencies stored in said memory unit is stopped when said carrier is received by said receiving circuit; and, reception of said audio signal starts when said identification number is confirmed through authentication of said data of said identification number performed by said detection circuit.

4. The frequency translation transceiver as set forth in claim 2, wherein: transmission of said audio signal is performed after a lapse of a predetermined period of time after said data of said identification number is transmitted.

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